## ISSUE SLIP STAPLE AREA (for additional cross references)

| POSITION                  | INITIALS | ID NO. | DATE     |  |  |  |  |  |
|---------------------------|----------|--------|----------|--|--|--|--|--|
| FEE DETERMINATION         | 5.3      | 1777   | · ' ` :  |  |  |  |  |  |
| O.I.P.E. CLASSIFIER       | _        | 10     | 9-14-00  |  |  |  |  |  |
| FORMALITY REVIEW          | MH       | 625    | 10-16-00 |  |  |  |  |  |
| RESPONSE FORMALITY REVIEW |          |        | (        |  |  |  |  |  |

## **INDEX OF CLAIMS**

| ✓ Rejected                                     | N Non-elected  |
|--|----------------|
| = Allowed                                      | I Interference |
| <ul> <li>(Through numeral) Canceled</li> </ul> | A Appeal       |
| → Restricted                                   | O              |

|      | ÷ Restricted U |          |           |              |              |                |              |              |              |              |          |          |          | Objected   |          |          |          |              |          |          |                |          |          |          |          |        |               |            |               |          |           |              |              |           |           |
|------|----------------|----------|-----------|--------------|--------------|----------------|--------------|--------------|--------------|--------------|----------|----------|----------|------------|----------|----------|----------|--------------|----------|----------|----------------|----------|----------|----------|----------|--------|---------------|------------|---------------|----------|-----------|--------------|--------------|-----------|-----------|
| ſ    | Claim Date     |          |           |              |              |                |              |              |              |              | Cla      | im       |          |            |          |          | Dat      | e            |          |          |                |          |          | Cla      | im       | n Date |               |            |               |          |           |              |              |           |           |
|      | Final          | Oniginal | 1/2/2/2   | 573010       |              |                |              |              |              |              |          |          |          | Final      | Original |          |          |              |          |          |                |          |          |          |          |        | Final         | S Original |               |          |           |              |              | _         | _         |
| Į.   | 4              |          | ¥         | Y            | <u> </u>     | ┞              | <u> </u>     | <u> </u>     | ├_           | ┡            | <u> </u> |          |          | <u> — </u> | 51<br>52 |          |          | $\dashv$     |          |          | $\dashv$       |          | $\dashv$ | $\dashv$ | $\dashv$ |        | $\vdash$      | 102        | -             | -+       | $\dashv$  | -            | -            | $\dashv$  | —         |
| L    | 4              | 2        | +         | Н            | _            | <del> </del> _ | <u> </u>     |              | ⊢            |              | _        | Щ        |          | ⊢          | 53       | $\dashv$ |          |              |          | -        | -              |          | $\dashv$ | $\dashv$ | $\dashv$ |        | $\vdash$      | 103        | $\dashv$      | $\dashv$ | -         | $\dashv$     | $\dashv$     | -         |           |
| L    | 4              | 3        | 4         | Ш            | <u> </u>     | <del> </del> _ | <u> </u>     | _            | Ļ            | <u> </u>     | <u> </u> |          |          | <u> </u>   |          | _        |          | -            | $\dashv$ | _        |                | $\vdash$ | 1        |          | -        |        | ⊢             | 104        |               | -        | $\dashv$  | $\dashv$     | $\dashv$     | $\dashv$  | _         |
| F    | 4              | 4        | +         | H            | <b>├</b> —   | ⊢              | -            | ⊢            | <del> </del> | ⊢            | L        | $\vdash$ |          | ⊢          | 54<br>55 |          |          |              |          | -        | $\dashv$       | }        | -        | $\dashv$ | ᅱ        |        | ⊢             | 105        | $\dashv$      | $\dashv$ | $\dashv$  |              | $\dashv$     | -         |           |
| Ļ    | 4              | 5        | 1         | Н            | ļ            |                | <u> </u>     |              | ⊢            |              | <u> </u> |          |          |            | 56       | $\dashv$ |          | $\vdash$     | $\dashv$ |          | -              | $\dashv$ |          | -        | $\dashv$ |        | ⊢             | 106        | $\dashv$      | $\dashv$ | $\dashv$  | -            |              | $\dashv$  |           |
| F    | 4              | 6        | +         | Н-           | ├            | <b>├</b>       | $\vdash$     | -            | -            | -            | _        | H        |          | _          | 57       | _        |          | Н            | -        |          | $\dashv$       | $\dashv$ |          |          | $\dashv$ |        | $\vdash$      | 107        | $\dashv$      | $\dashv$ | -         | -            | -            |           |           |
| 1    |                | 9        | +         | 1            | ▙            | ╀              | ├            | ├            | ⊢            |              | -        |          |          | ⊢          | 58       | -        |          | -            | $\dashv$ |          |                | $\dashv$ | $\dashv$ | -        | $\dashv$ |        | $\vdash$      | 108        |               | -        | $\dashv$  | $\dashv$     | $\dashv$     | ┰         |           |
| ŀ    | 4              | 8        | ╀         | ₩            | ├            | ├              | ┡            | ┡            | ┝            |              |          | Н        |          | ⊢          | 59       |          |          | Н            | $\dashv$ | -        |                | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ |        | ┝             | 109        | -             |          |           | $\dashv$     | $\dashv$     | $\dashv$  | _         |
| ŀ    | -              | 9        | +         | -            | ┢            | ├              | ⊢            | <del> </del> | -            | ⊢            | ⊢        |          |          | ├—         | 60       |          | _        | $\vdash$     | -        |          | $\dashv$       | -        | $\dashv$ | $\dashv$ | ᅱ        |        | -             | 110        | $\dashv$      | $\dashv$ | ┥         | $\dashv$     | $\dashv$     | $\dashv$  | _         |
| ŀ    |                | 10       | +         | <b>H</b>     | ├            | ├-             | ⊨            | -            | 1-           | -            |          | H        |          | -          | 61       | -        |          | Н            | $\dashv$ |          | $\dashv$       | $\dashv$ |          | $\dashv$ | $\dashv$ |        | _             | 111        | $\dashv$      | $\dashv$ | $\dashv$  |              |              | $\dashv$  | —         |
| ŀ    | _              | 11       | ╀         | Ц.           | ├            | ├              | -            |              | -            | -            | -        | H        |          | <u> </u>   | 62       | -        |          |              | -        | -        | -              |          | $\dashv$ | -        | $\dashv$ |        |               | 112        |               | $\dashv$ | $\dot{H}$ | ᅱ            |              | $\dashv$  | _         |
| ŀ    |                | 12       | 1         | 11           | ļ            | <del> </del>   | ⊢            | <u> </u>     | ├-           | -            | -        | H        |          | ⊢          | 63       |          |          | -            | -        | -1       | -              |          | $\dashv$ | $\dashv$ | ᅱ        |        | _             | 113        | $\dashv$      | $\dashv$ | $\dashv$  | $\dashv$     | $\dashv$     |           | -         |
| F    | 4              | Q        | 4         | Н            | ⊢            |                | ⊢            | ⊢            | ⊢            | -            |          | H        |          | ⊢          | 64       |          | _        | Н            | -        | -        | $\dashv$       |          | $\dashv$ | $\dashv$ | ᅱ        |        | -             | 114        | $\dashv$      | $\dashv$ |           | $\dashv$     | $\vdash$     | -         | _         |
| ŀ    | 4              | 9        | +         | ┨            | ├-           | ╄              | -            | _            | ⊢            | <del> </del> | -        | Н        |          | -          | 65       |          |          |              | $\dashv$ | -        | $\dashv$       | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ |        | _             | 115        | $\dashv$      | $\dashv$ | -         |              | $\vdash$     | $\dashv$  |           |
| ŀ    | _{             | 5        | 1,        | J            | <b>}</b>     | $\vdash$       | -            | ⊢            | ┝            | <del> </del> | _        |          |          | ├          | 66       | -        |          | Н            | -        |          |                | $\dashv$ | $\dashv$ |          | $\dashv$ |        | -             | 116        | -             | $\dashv$ | $\dashv$  | $\dashv$     | Н            | H         |           |
| F    | 4              | 3        | <u>.y</u> | V            |              | ⊢              | <del> </del> | ⊢            | ├            |              | _        |          |          | ├          | 67       | -        | _        |              | -        | _        |                | -1       |          |          | $\dashv$ |        | -             | 117        | -1            | $\dashv$ | $\dashv$  |              | $\vdash$     | $\vdash$  | _         |
| -    | _              | 17<br>18 | _         |              | ├            | ╄              | _            | -            | $\vdash$     | $\vdash$     | ├        | -        |          | $\vdash$   | 68       | -        | _        | Н            |          | -        | -              | $\dashv$ | $\dashv$ |          | 一        |        | -             | 118        |               | $\dashv$ | $\dashv$  | $\neg$       | H            | П         |           |
| H    | _              |          |           | H            | ├            | ┼              | ├            | -            | ⊢            | ├            | ├        |          |          | ┝          | 69       | _        | _        | Н            | -        |          |                | -        |          | -        | $\dashv$ |        | $\vdash$      | 119        | $\rightarrow$ |          | $\dashv$  | $\dashv$     |              | П         | $\Box$    |
| ŀ    | $\rightarrow$  | 19       |           | <u> </u>     | ⊢            | ├              | ├            | ⊢            | ⊢            | -            |          |          |          | -          | _        |          | _        |              |          | -        | -              |          |          |          | $\dashv$ |        | -             | 120        |               | $\dashv$ | $\neg$    |              | Н            | Н         |           |
| L    |                | 20       |           | _            | <u> </u>     | L              | <u> </u>     | ╙            | ╙            | L            | <u> </u> |          |          |            | 70       |          |          |              |          |          |                |          |          |          |          |        | <del> -</del> | -          | $\vdash$      | $\dashv$ | $\vdash$  |              | H            | H         |           |
| L    |                | 21       | _         | ļ            | <u> </u>     | ╙              | _            | ļ_           | <u> </u>     | -            | <u> </u> |          |          | $\vdash$   | 71       | _        |          | $\vdash$     |          |          | $\vdash$       |          | -        | $\dashv$ |          |        | $\vdash$      | 121        | H             | -        |           | $\vdash$     |              | Н         | H         |
| . 1- |                | 22       | _         | <u> </u>     | ļ.,          | ↓_             |              | <u> </u>     | <u> </u>     | ١.           | <u> </u> |          | ١.       | H          | 72       |          |          |              |          |          |                | -        | -        | $\dashv$ | ᅴ        |        | -             | 123        | H             | H        |           | -            |              |           | -         |
| -    |                | 23       |           |              | ŀ            | ļ <u>-</u>     | 1            |              | L            | <u> </u>     | ┡        |          |          | -          | 73       |          |          |              | =        |          | H              | _        |          | -1       | {        |        | $\vdash$      | 124        |               | $\vdash$ | -         |              |              | 1:        | -         |
| ŀ    | _              | 24       | _         | <u> </u>     | -            | ₩              |              | ļ_           | <del> </del> | -            | -        |          | -        | -          | 74       | -        |          | -            |          |          | -              | ·        |          | _        | $\dashv$ |        | $\vdash$      | +          |               | Н        | -         |              | 1            |           | H         |
| Ļ    |                | 25       |           |              | ┡            | <del> </del>   | -            | -            | ┡            | -            | ⊢        | _        | ĺ        | -          | 75       | <u> </u> |          | <u> </u>     | H        | _        | -              |          |          |          | -        |        | $\vdash$      | 125        | +             | H        | $\vdash$  |              | ⊢            |           | -         |
| ŀ    |                | 26       |           | ┡            | ▙            |                | 1-           | ⊢            | ⊢            | -            | }—       |          |          | $\vdash$   | 76<br>77 | -        | <u> </u> | ļ            | ┝        | ⊢        | <del> </del>   | $\vdash$ | -        |          | $\dashv$ |        | -             | 126<br>127 |               |          | $\vdash$  | -            | ╁            | ┢         | H         |
| -    |                | 27       | _         | <del> </del> | <del>-</del> | ╄              | ļ            | <u> </u>     | _            | ⊢            | ┡        | ├—       | Ì        | $\vdash$   | 78       | ├—       | <u> </u> | -            | ├—       |          | -              |          | _        |          | -        |        | $\vdash$      | 128        |               | -        | ├         | ⊢            | <del> </del> | $\vdash$  | H         |
| -    |                | 28       | -         | ├            | <b>├</b> -   | ╀              | <u> </u>     | <del> </del> | ╄            | -            | ├-       | ├        | ł        | ⊣          | 79       | -        | -        | <del> </del> | -        | _        | ├              |          |          | _        |          |        | $\vdash$      | 129        |               | $\vdash$ | -         | $\vdash$     | ╁╌           | ╁─        | +         |
| ļ    | -3             | 29       | _         | ┡            | 1-           | ╁              | ┾            | -            | ╁            | ┼            |          | ├        | 1        | -          | ⊢        | ┝        | ├        | -            | ⊢        | ├        | ┝              | $\vdash$ |          | -        |          |        | $\vdash$      | 130        |               | ╁        | ⊢         | ╁            | ╁            | +-        | ╁         |
| ŀ    | _              | 30       | _         | ▙            | <u> </u>     | ┼              | -            | <u> </u>     | 1            |              | ↓_       | ┡        | ŀ        | $\vdash$   | 80       | ⊢        |          | -            | ╢        | -        |                | ⊢        | ⊢        | -        | H        |        | -             | 131        | -             | -        | ╁         | ╁            | ╁            | ╁         | ╁         |
| -    | 4              | 31       | _         | <u> </u>     | ⊢            | -              | -            | ╁            | ╀            | <del> </del> | -        | ⊢        | 1        | -          | 82       | ├        | ╢        | ╁            |          | ╀        | ⊢              | -        | -        | -        | -        |        | $\vdash$      | 132        |               | $\vdash$ | ┼         | ╁            | +-           | ╁         | ╁         |
| 1    | ᆜ              | 32       | -         | ╀            | +            | +              | +-           | +            | ╁            | $\vdash$     | $\vdash$ | ┼        | {        | $\vdash$   | 83       | -        | ├        | +            | ├-       | -        | +              | -        |          | $\vdash$ | -        |        | $\vdash$      | 133        |               | +        | +         | +            | +            | +         | t         |
| ŀ    | _              | 33       | -         | Ͱ            | ╀            | +              | ╄            | -            | +            | $\vdash$     | +        | -        | 1        | -          | 84       | -        | 1-       | $\vdash$     | $\vdash$ | +-       | $\vdash$       | ┼        | -        | -        | -        |        | $\vdash$      | 134        |               | +        | +         | +            | +            | +-        | $\dagger$ |
| 1    | -              | 35       | $\vdash$  | +            | +            | ╁              | +-           | ╁            | +            | ╁            | +        | $\vdash$ | 1        | $\vdash$   | 85       | +-       | -        | $\vdash$     | $\vdash$ | +-       | $\vdash$       | 1        | ╁        | $\vdash$ | $\vdash$ |        | $\vdash$      | 139        |               | t-       | $\vdash$  | T            | +            | +-        | †         |
| ŀ    |                | 36       | $\vdash$  | +            | +            | +              | +            | ╁            | +            | +            | +        | $\vdash$ | 1        | $\vdash$   | 86       |          | $\vdash$ | $\vdash$     | +        | $\vdash$ | +              | $t^-$    | $\vdash$ | -        | -        | l      | $\vdash$      | 136        |               | +        | 1         | +            | +            | $\dagger$ | †         |
| ŀ    |                | 37       | ⊢         | $\vdash$     | +            | ╁              | +-           | +            | +            | +            | +-       | ╁        | 1        | $\vdash$   | 87       | +        | +        | +            | +-       | $\vdash$ | +              | +-       | $\vdash$ | $\vdash$ | +        |        | $\vdash$      | 13         |               | +        | +         | T            | +            | $\dagger$ | t         |
| ŀ    | -              | 38       | H         | ╁            | +            | +              | ╁╾           | ╁            | +            | +            | +        | +        | 1        | $\vdash$   | 88       | ╁        | +        | +            | +        | +        | +              | -        | ┢        | ┢        | 1        | ĺ      | $\vdash$      | 138        |               | $\top$   | †         | $^{\dagger}$ | +            | $\top$    | †         |
| ŀ    | -              | 39       | ╁         | +            | +            | +              | +            | +-           | +            | +            | +        | 十        | 1        | $\vdash$   | 89       | -        | +        | +            | +        | ╁        | +              | +-       | +        | $\vdash$ | $\vdash$ |        | $\vdash$      | 139        | -             | +        | †         | $^{\dagger}$ | +            | +         | T         |
| 1    |                | 40       | +-        | ╁            | +            | +              | +            | ╁╴           | +-           | +            | +        | +        | ┨        | $\vdash$   | 90       | -        | +        | +            | +        | +-       | +              | +        | 1        | T        |          | 1      | $\vdash$      | 140        |               | T        | +         | T            | +            | T         | †         |
| 1    | _              | -        | ┰         | ╁            | +-           | +              | +            | +            | +            | +-           | +        | +        | 1        | -          | 91       | -        | +-       | +            | +        | +        | +              | ╁        | $\vdash$ | +-       | +        | 1      | -             | 14         |               | +        | +         | 十            | +            | +         | +         |
| -    | _              | 41       |           | ╀            | +            | +              | +            | +-           | -            | +            | +        | +        | 4        | $\vdash$   | 92       |          | +        | +            | +        | ╀        | +              | ╀        | ╁        | +        | ┼        | 1      | $\vdash$      | 14         |               | +        | +         | +-           | ╁            | t         | +         |
| -    |                | 42       | _         | +            | +            | +              | +            | +            | +            | +            | +        | +-       | -        | $\vdash$   | -        | +-       | +        | +            | +        | ╁        | ┾              | +-       | $\vdash$ | ╁        | +-       | 1      | $\vdash$      | 14         |               | +        | +-        | +            | +            | +         | $\dagger$ |
| 1    |                | 43       | -         | ╄            | +            | +              | +            | +            | +            | +            | ╀        | +-       | -        | $\vdash$   | 93       | +        | +        | +            | ╁        | +        | +              | +-       | +        | +        | ╁        | 1      | $\vdash$      | 14         |               | +        | +-        | $\dagger$    | +            | +         | +         |
| ļ    |                | 44       | _         | ╄            | +            | +              | +            | +            | +-           | +            | +        | +-       | -        | $\vdash$   | 94       |          | ╀        | +            | +-       | +        | +-             | +        | $\vdash$ | ┼-       | $\vdash$ | 1      | -             | 14         |               | +-       | +         | +            | +-           | +         | +         |
| ŀ    |                | 45       | -         | +            | +            | +              | 1            | +-           | -            | +            | +        | +-       | -        | -          | 96       | -        | +-       | +            | +        | +        | +              | +        | ╁        | +        | ╁        | i      | +             | 14         |               | +        | +-        | +            | +            | +         | +         |
|      | _              | 46       | +         | +            | +            | +              | +            | +            | +            | +            | +        | +        | -        | $\vdash$   | 97       |          | +        | +            | +-       | +        | +              | +-       | ╁        | ┼        | +        | 1      | $\vdash$      | 14         | _             | +        | +         | t            | +            | +         | +         |
|      |                | 47       |           | +            | +            | +              | +-           | +            | +            | +            | +        | +        | 1        | $\vdash$   | 98       |          | +        | +            | +        | +-       | +              | +-       | +        | +        | +        | 1      | $\vdash$      | 14         |               | +-       | +         | +            | +            | +         | +         |
| 1    |                | 45       |           | ╁            | +            | +              | +            | ╁            | +            | +-           | +        | +        | $\dashv$ | $\vdash$   | 99       |          | +        | +            | ╁        | ╁        | +              | ╁        | +        | ╁        | +        | 1      | -             | 14         | -+-           | -        | +-        | 十            | +-           | +         | †         |
| ļ    | -              | 50       |           | +            | +            | +              | +            | +            | +            | +            | +        | +        | -        | -          | 10       |          | +        | +            | +        | +        | <del>-</del> i | +        | +        | ╁╴       | +        |        | -             | 15         |               | +        | +         | $\dagger$    | +            | +         | +         |
|      |                | 136      | 1         | 1            | - 1          | - 1            | - 1          | 1            | 1            | 1            | i        | 1        | 1        |            | 110      | ٧.       | 1        | _L_          |          |          |                |          |          | _        |          |        |               |            |               |          | <u> </u>  |              |              |           |           |

If more than 150 claims or 10 actions staple additional sheet here